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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/212, 292 12/16/98 JUN

S P55281

EXAMINER

WM02/0103

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ZAMANT A

ART UNIT

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Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks



Office Action Summary

Application No. 09/212,292	Applicant(s) Sung-Gon Jun
Examiner Ali Zamani	Group Art Unit 2674

Responsive to communication(s) filed on Oct 5, 2000

This action is FINAL.

Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle 35 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claim

- Claim(s) 1-10 is/are pending in the application.
Of the above, claim(s) _____ is/are withdrawn from consideration.
- Claim(s) _____ is/are allowed.
- Claim(s) 1-10 is/are rejected.
- Claim(s) _____ is/are objected to.
- Claims _____ are subject to restriction or election requirement.

Application Papers

- See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- The drawing(s) filed on _____ is/are objected to by the Examiner.
- The proposed drawing correction, filed on _____ is approved disapproved.
- The specification is objected to by the Examiner.
- The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- All Some* None of the CERTIFIED copies of the priority documents have been received.
- received in Application No. (Series Code/Serial Number) _____.
- received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

- Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- Notice of References Cited, PTO-892
- Information Disclosure Statement(s), PTO-1449, Paper No(s). _____
- Interview Summary, PTO-413
- Notice of Draftsperson's Patent Drawing Review, PTO-948
- Notice of Informal Patent Application, PTO-152

-- SEE OFFICE ACTION ON THE FOLLOWING PAGES --

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DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1- 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Miichi (US Pat. No. 5,880,745).

3. In regard to claims 1-10, Miichi discloses a flat panel display information including video data synchronizing data from a host (15) processing digital in a serial digital communication, comprising: a receiver (45) for reconstructing said display information; a digital-to analog converter (50) for converting said video data to a corresponding video signal and an output terminal for externally transferring said signal and analog video signal to an analog display (Fig. 5, col. 8, lines 41-66). Miichi teaches that the signals inputted from the personal computer (15) through the cable (17) are separated into R (red), G (green), and B (blue) image signals, a horizontal (H) and a vertical (V) synchronizing signal in the input circuit (35)(Fig. 4, col. 8, lines 6-67). Miichi also teaches that the image signal source is realized by a personal, and the personal computer generates an image signal on the basis of an input signal from the connected input device means and the control signal corresponding to the image signal source can be supplied to

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the image signal source regardless of the types of image signal source. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention not to utilize any analog-to-digital converter or phased-locked loop circuit for signal conversion in order to provide a flat panel display which displays digital display information supplied by a digital data processing device.

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Lim, Bang and Suga et al. are made of record to show various types of flat panel display information.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ali Zamani whose telephone number is (703) 308-6414. The examiner can normally be reached on Monday through Friday from 8:00 a.m. to 5:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard A. Hjerpe, can be reached on (703) 305-4709. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-9051.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Ali Zamani

December 30, 2000



RICHARD HJERPE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600